# Exhibit A

# NIKE, INC.

VS.

SKECHERS U.S.A., INC.



**Skechers' Technology Tutorial** 

Samuel Lu Keith Orso Michael Rosen

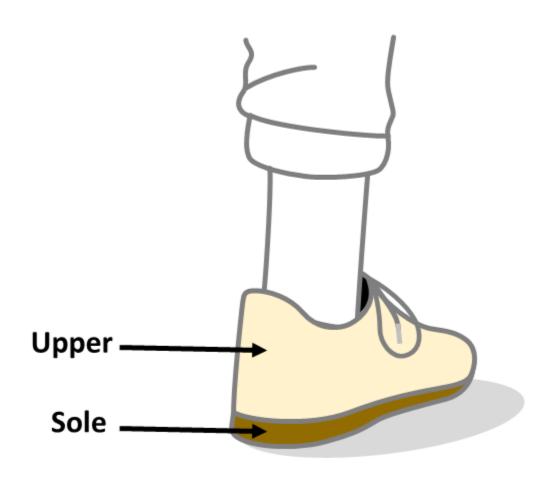
July 12, 2024

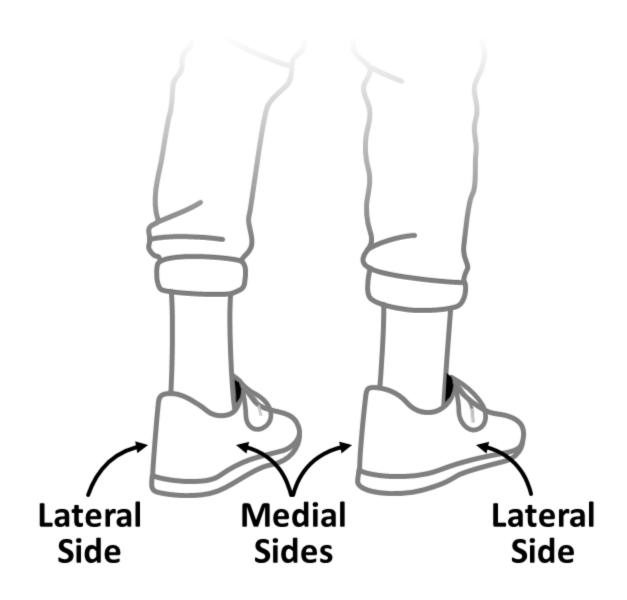
# **Footgear Terminology**

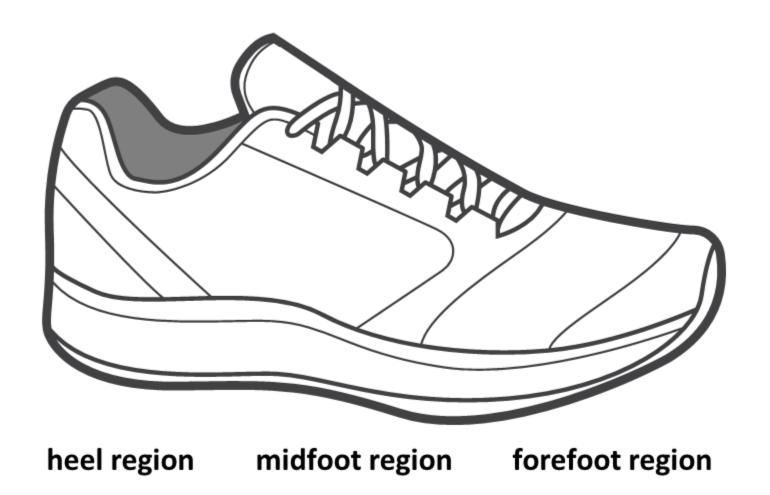
**Knitting Terminology** 

Patents In Suit

# Case 2:23-cv-09346-AB-PVC Component 63-1, Filed 06/28/24 PAge 4 of 59 Page ID #:2058

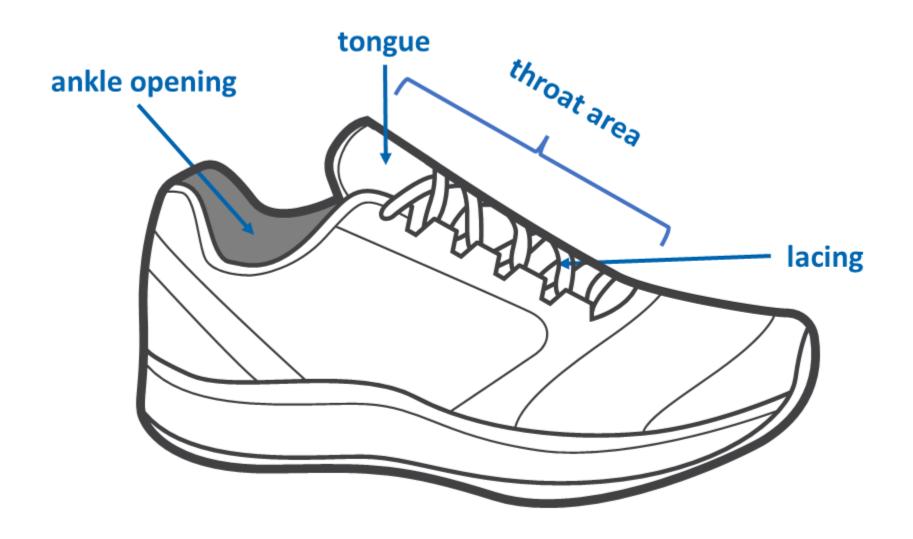






**SKECHED** 

# Relevant Components Of An Upper Page 10 #:2061

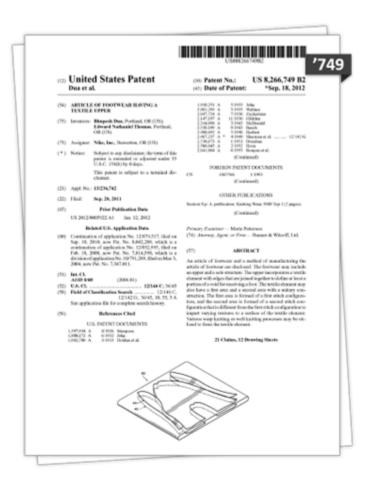


# Footgear Terminology

# **Knitting Terminology**

Patents In Suit

# Patents At Issue Address Knitting Uppers

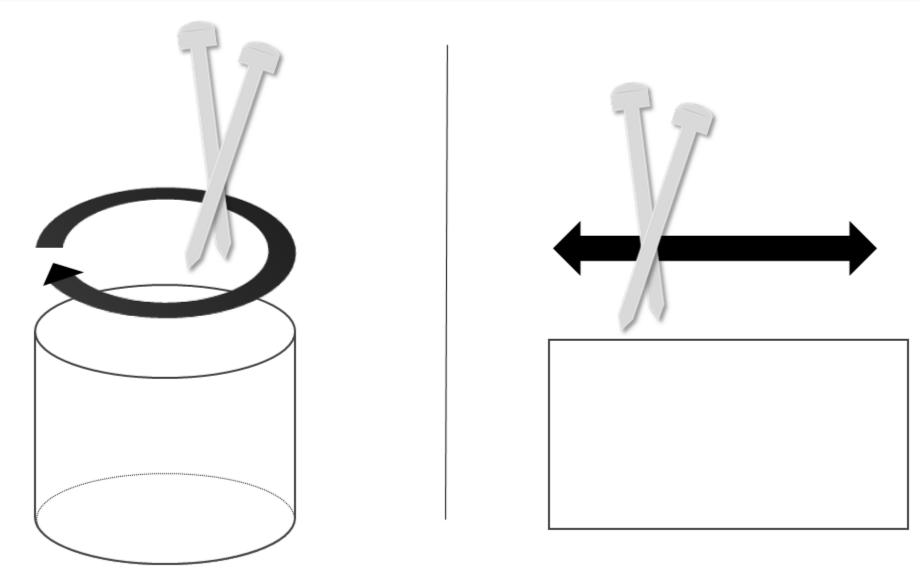


## SUMMARY OF THE INVENTION

The present invention is an upper for an article of footwear, the upper incorporating a textile element formed with a knitting machine, for example. In one aspect of the invention, the

'749 patent at 3:25-29.

# Patents Disclose Two Types Of Knitting Machines

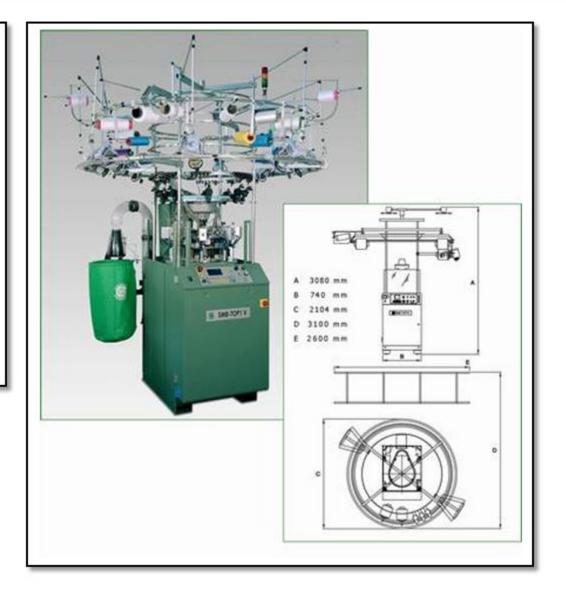


**Circular Knitting Machine** 

Flat Knitting Machine

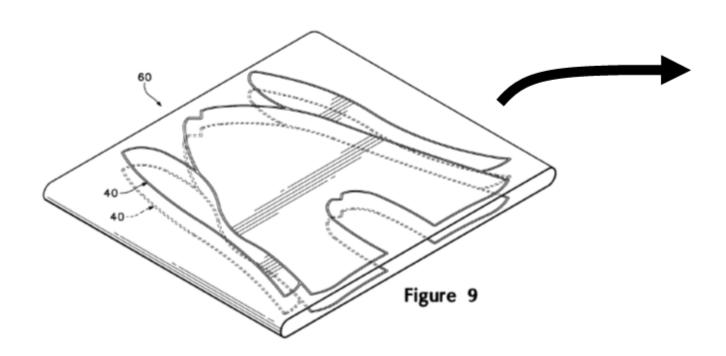
# Circular Knitting Machines Were Preexisting Technology

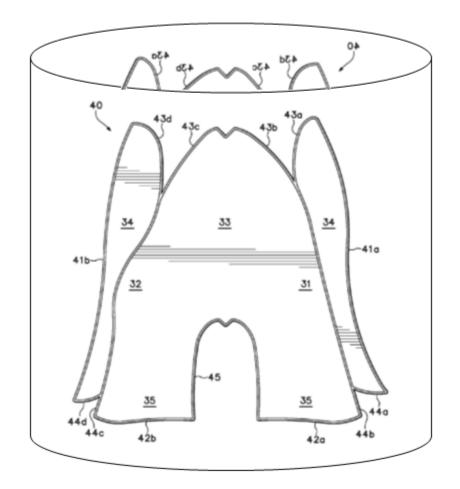
"Another suitable knitting machine for forming textile element **40** is a wide-tube circular knitting machine that is produced in the Lonati Group by Santoni S.p.A. of Italy under the SM8 TOP1 model number.... A wide-tube circular knitting machine, as produced by Santoni S.p.A., forms a generally cylindrical textile structure and is capable of forming various types of stitches within a single textile structure."



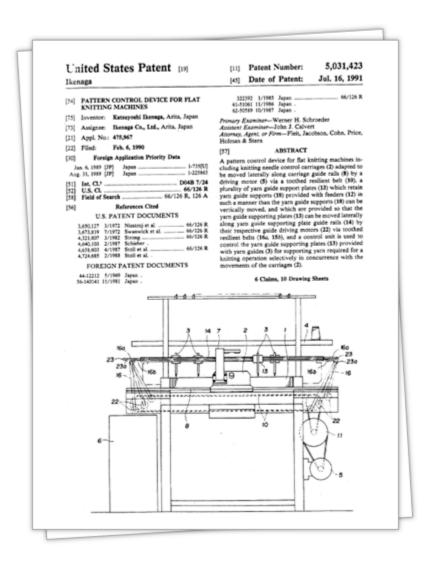
# Circular Knitting Machines Produce Circular (Tubular) Knit Structures

"An example of a textile structure **60** that may be formed with a wide-tube circular knitting machine is depicted in FIG. 9."





## Flat Knitting Wachines Ware Preexisting Technology



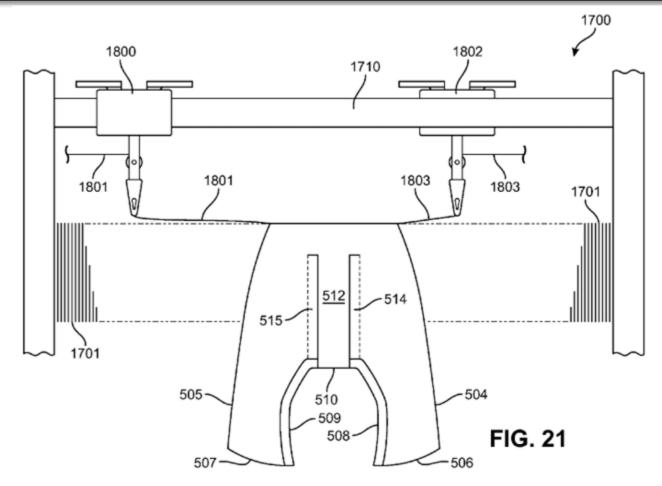
## Prior art cited by Nike's patents include:

PATTERN CONTROL DEVICE FOR FLAT [54] KNITTING MACHINES

Jul. 16, 1991 Date of Patent: [45]

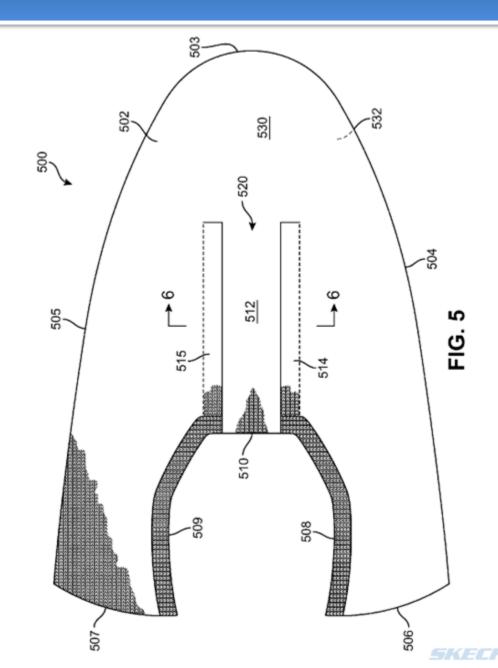
## Flat Knitting Wachines Produce Flat Knit Structures

"FIG. 21 illustrates knitting machine **1700** nearly completing the knitting process of forming first knitted component **500**."

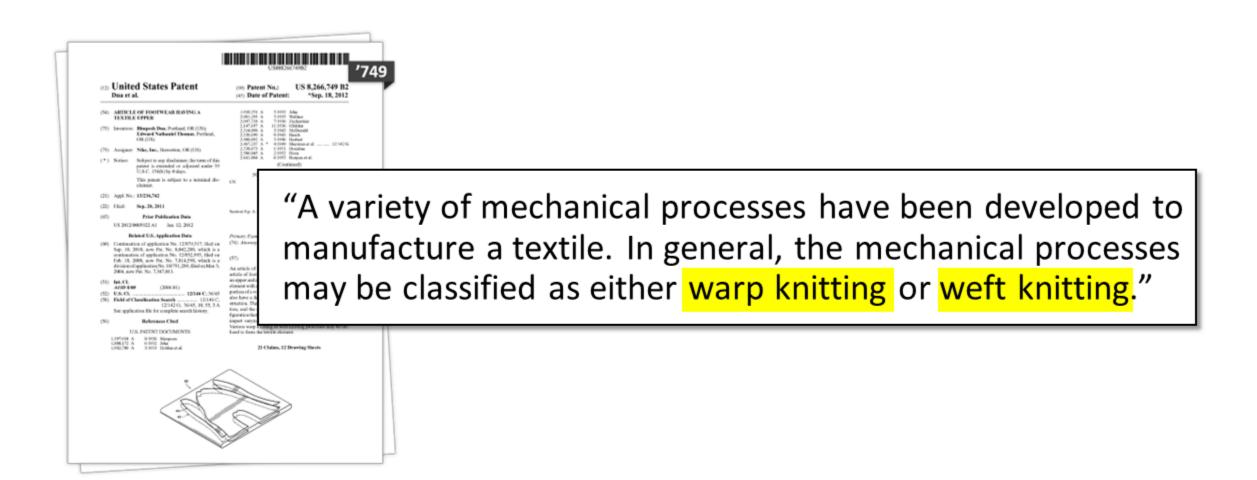


## Flat Knitting Wachines Produce Flat Knit Structures

"Referring now to FIG. 5, an exemplary embodiment of a first knitted component **500** is shown in a top plan view."

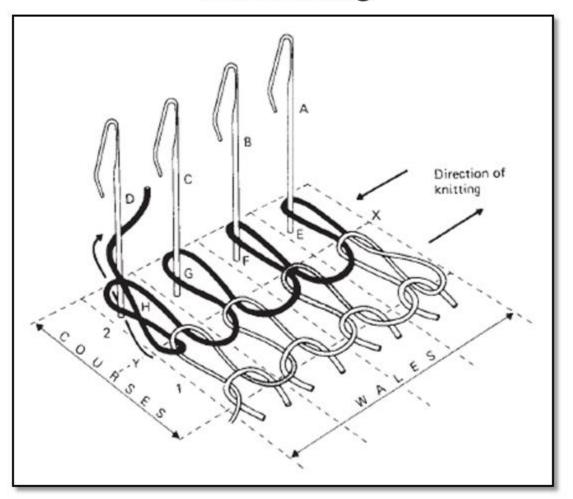


# Two Types Of Mechanital Knitting Processes

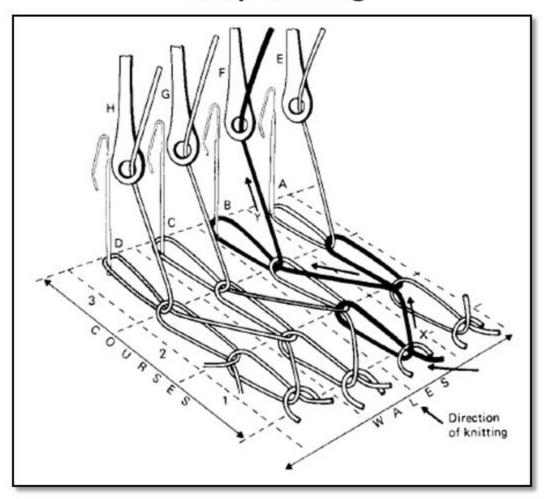


'749 Patent at 6:65-67.

## **Weft Knitting**



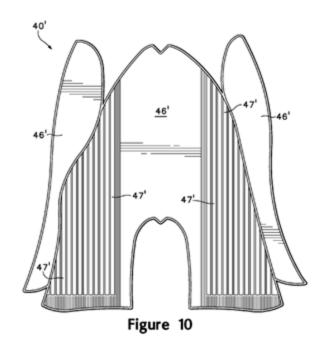
## **Warp Knitting**

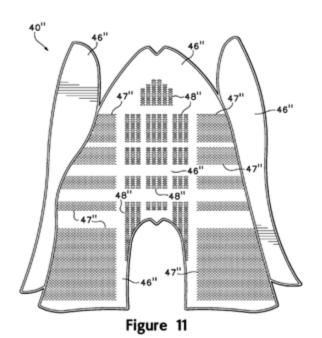


## Knitting Machines Can Create Different Textures In Different Areas

"That is, the type of stitch that is formed at each location on the textile structure may be selected by programming the wide-tube circular knitting machine such that specific needles either accept or do not accept yarn at each stitch location. In this manner, various patterns, textures, or designs may be selectively and purposefully imparted to the textile structure."

"Various types of stitches may also be formed with other types of knitting machines."





## Making Non-Knit Uppers Requires Joining Lots Of Elements

"A variety of material elements (e.g., textiles, polymer foam, polymer sheets, leather, synthetic leather) are conventionally used in manufacturing the upper. ... In order to impart the different properties to different areas of the upper, material elements are often cut to desired shapes and then joined together, usually with stitching or adhesive bonding."



## Making Non-Knit Uppers intraduces Waste And inefficiencies

"As the number and type of material elements incorporated into the upper increases, the time and expense associated with transporting, stocking, cutting, and joining the material elements may also increase. Waste material from cutting and stitching processes also accumulates to a greater degree as the number and type of material elements incorporated into the upper increases. Moreover, uppers with a greater number of material elements may be more difficult to recycle than uppers formed from fewer types and numbers of material elements."

'562 Patent at 2:2-11.

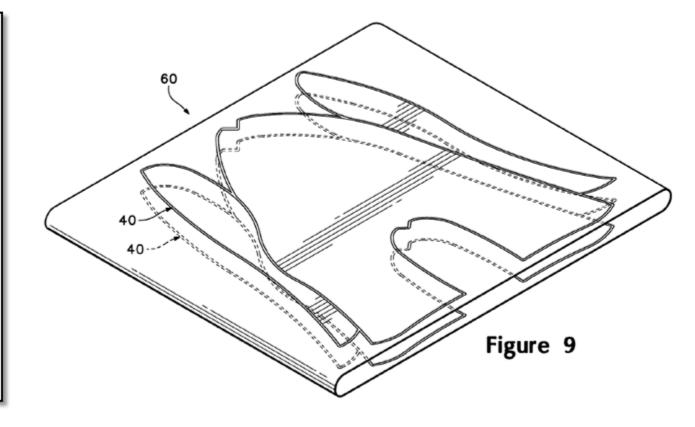
## Making Knit Uppers Decreases Maste And Increases Efficiencies

"By decreasing the number of material elements used in the upper, therefore, waste may be decreased while increasing the manufacturing efficiency and recyclability of the upper."

'562 Patent at 2:11-14.

## But Even Making Circular Khit Uppers 18-1 Introduces Waste And Inefficiencies

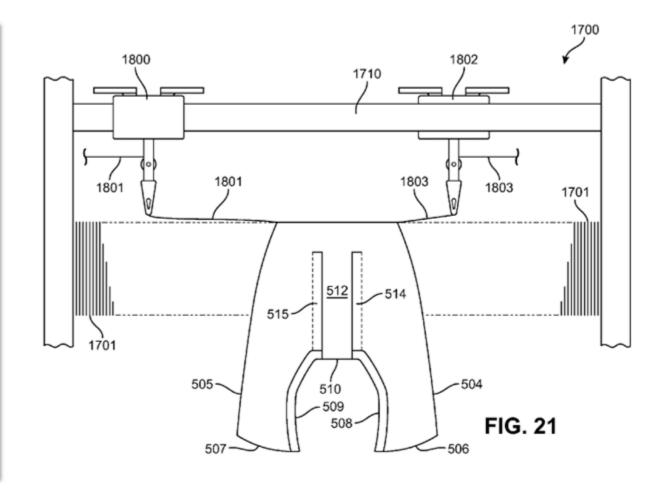
"Each textile element 40 is then removed from textile structure 60 with a die-cutting, laser-cutting, or other conventional cutting operation. Once textile element 40 is removed from textile structure 60, seams 51-54 may be formed and textile element 40 may be incorporated into footwear 10."



'749 Patent at 8:4-8, FIG. 9.

## Flat Knitting To "A Final Desired Shape" is Even More Advantageous

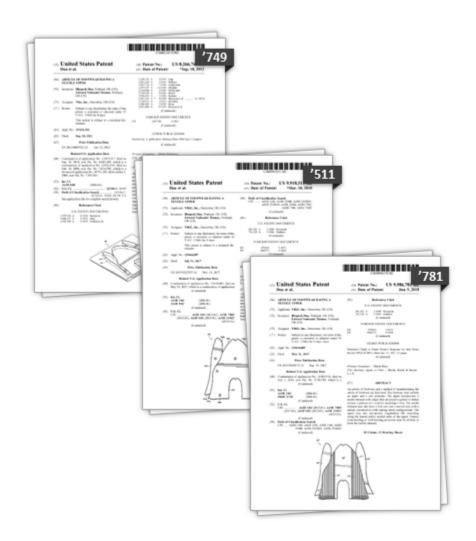
"Flat knitting, when used in example structures according to this invention, can provide various advantages. For example, flat knitting can be used to provide textile structures for use in footwear uppers of *a final desired* **shape** such that textile cutting steps can be avoided (which eliminates waste, avoids the need to finish cut edges, saves time, saves money, etc.)."



Footgear Terminology

**Knitting Terminology** 

**Patents In Suit** 



Family of U.S. 7,347,011



Family of U.S. 8,448,474





781

## (12) United States Patent Dua et al.

(10) Patent No.: US 9,986,781 B2 (45) Date of Patent: Jun. 5, 2018

- (54) ARTICLE OF FOOTWEAR HAVING A TEXTILE UPPER
- (71) Applicant NIKE, Inc., Beavenon, OR (US)
- (72) Inventors: Bhupesh Dus, Portland, OR (US); Edward Nathaniel Thomas, Portland, OR (US)
- (73) Assignor: NIKE, Inc., Beaverton, OR (US)
- (\*) Notice: Subject to any disclaimer, the term of this pattert is extended or adjusted under 35 U.S.C. 1540o by 0 days, days.
- (21) Appl. No.: 15/616,689
- (22) Filed: May 31, 2017
- Prior Publication Data
   US 2017/0258172 A1 Sep. 14, 2017

## Related U.S. Application Data

- (60) Continuation of application No. 14/503,514, filed on Opt. 1, 2014, new Pat. No. 9,743,705, which is a (Continued)
- (51) Int. CL

Int. Ct. A43B 1/04 (2006.01) D04B 21/20 (2006.01) (Continued)

(52) U.S. CL

(Continued)

(50) Field of Classification Search CPC ... A43B 1.00; A43B 1.02; A43B 1.04; A43B 23-00; A43B 23-0205; A43B 23-0265

#### (56) References Cited

U.S. PATENT DOCUMENTS

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FOREXEN PATENT DOCUMENTS

870963 3 2053 1084273 6 2960 (Continued)

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Pelitioner's Reply to Patent Owner's Response for Inter Partes Review IPR2016-00021 dated Apr. 21, 2017, 32 pages. (Continued)

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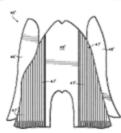
Primary Examiner - Marie Bays

(74) Attorney, Agent, or First — Shook, Hardy & Bucon. L.L.P.

### (57) ABSTRACT

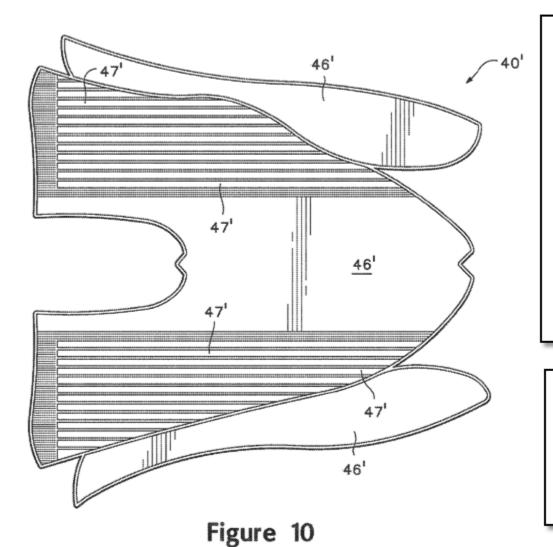
An article of footweer and a method of manufacturing the article of footweer are disclosed. The footweer may include an upper and a sole structure. The upper incorporates a testile element with object that nee joined tagether to define at least a portion of a void for necessing a flox. The secule element may also have a first area and a second near with a mixing constitution with varying sixth configurations. The upper may also incorporate longitudinal ribs extending along the internal multi-medial sides of the upper. Various warp knitting or well knitting processes may be stillined to free the textile element.

#### 20 Claims, 12 Drawing Shorts



# (54) ARTICLE OF FOOTWEAR HAVING A TEXTILE UPPER

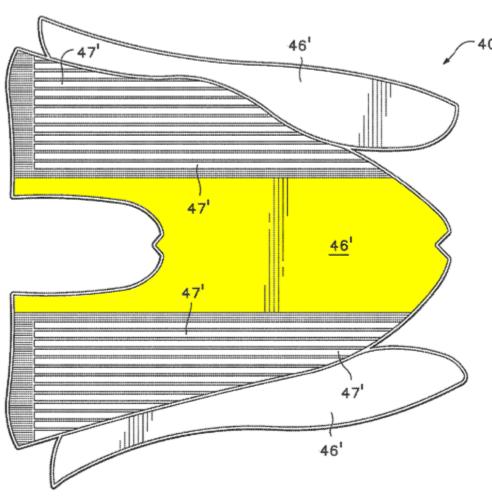
## Different Areas Of Knitted Laper Have Different Textures



"[T]he textile element has a first area and a second area .... The first area is formed of a first stitch configuration, and the second area is formed of a second stitch configuration that is different from the first stitch configuration to impart varying textures to a surface of the textile element."

"With reference to FIG. 10, a textile element 40' ... is depicted as having various areas with different textures."

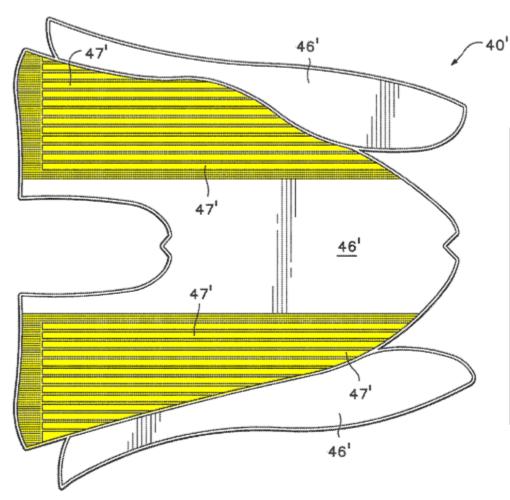
## Fig. 1025hows A Smooth Texture In A First Area



"For example, a central area that corresponds with instep region **33** has a first texture **46'** that is generally smooth."

Figure 10

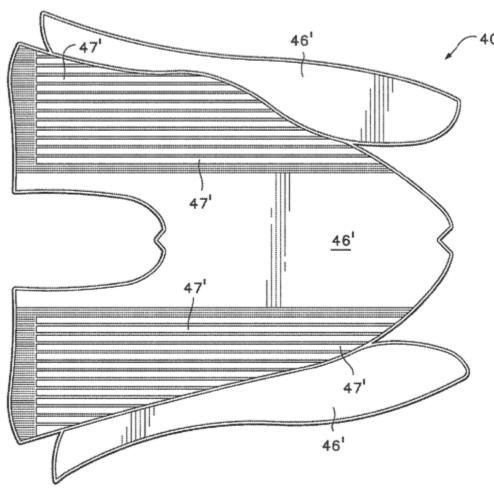
## Fig. 10 Shows A Longitudinally Ribbed fexture in A Second Area



"[T]extile element 40' includes a second texture 47' that is a plurality of longitudinal ribs. When incorporated into footwear 10, the ribs will extend longitudinally along lateral region 31 and medial region 32, and the ribs may extend into heel region 35."

Figure 10

# The Ribbed Texture Way Be "Ae habetic" Or "Way Affect ... Stretch"



"The ribs may be present for aesthetic purposes, or may affect the stretch properties of upper **20**, for example."

Figure 10

## Other Knitted Products Also Us 23 Bibbed Texture To Affect Stretch



## GOLDTOE

EST. 1934

Gold Toe Socks: "Featuring a ...ribbed design to stay in place all day..."

# '781 Patent Claims Long tudinaily Ribbed Texture

# US0099678182 7781

Jun. 5, 2018

## United States Patent

## (54) ARTICLE OF FOOTWEAR HAVING A

(71) Applicant NIKE, Inc., However, OR (US)

(72) Inventors: Bhupesh Dus, Portland, GR (US); Edward Nathanisl Thomas, Portland, OR (US)

(7) Assignor: NIKE, Inc., Burerton, OR (US)

(\*) Notice: Subject to any disclaimer, the term of this potent is extended or adjusted under 15 U.S.C. 154(h) by 0 days, days.

(21) Appl. No.: 15/614,689

(22) Filed: May 31, 2017

(65) Pyter Publication Data US 2017/0258172 A1 Sep. 14, 2017

## Related U.S. Application Data

(60) Continuation of application No. 14/503,514, filed on Oct. 1, 2014, new Pat. No. 9,743,705, which is a (Continued)

(51) Int. Ct.

### 104 (2006.01) D04R 21/20 (2006.01)

(Continued)

(50) Fleld of Chrolifestion Search CPC ... A438 1/00; A438 1/02; A438 1/04; A438 23/00; A438 23/0205; A438 23/0265 (45) Date of Patent:

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FOREIGN PATENT DOCUMENTS

870103 5 2053 1084273 6 7960 #Everlamod3

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(Continued)

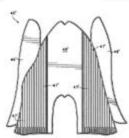
Prinary Examiner - Marie Bays

(74) Amoreoy, Agent, or Fires — Shock, Hardy & Hacos, L.I. P.

ST) ABSTRACT

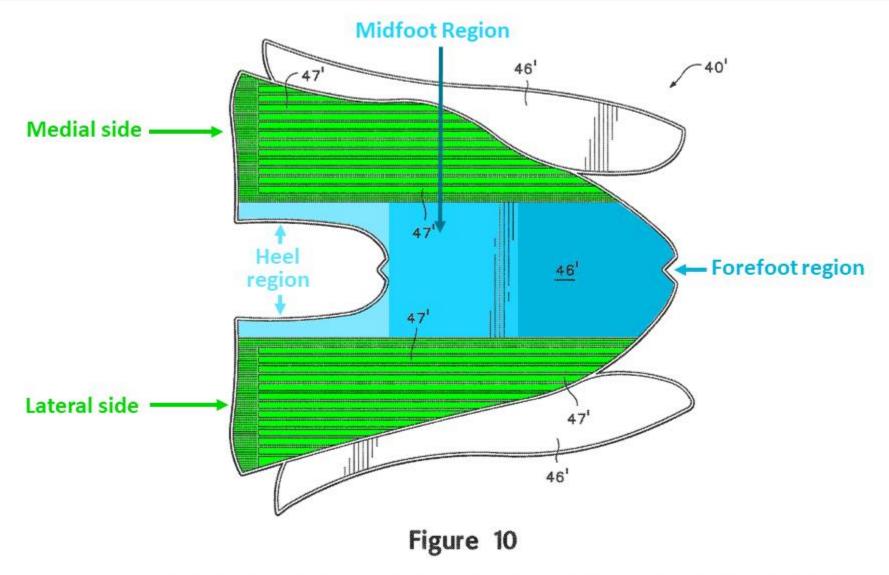
An article of forescent and a method of manufacturing the active of forestern are disclosed. The forescent may include an upper and a sole structure. The upper interspension a textile element with edges that are joined together to define at least a portion of a void for receiving a foot. The textile element range does have a feet seen and a second one without an unlarge construction with conjugation gloth configurations. The upper may also incorporate lenginelisms either textures along the location and/or model coles of the upper Valeion warp halting or with intifing processes may be utilized to from the textile ofth intifing

20 Claims, 12 Drawing Sheets

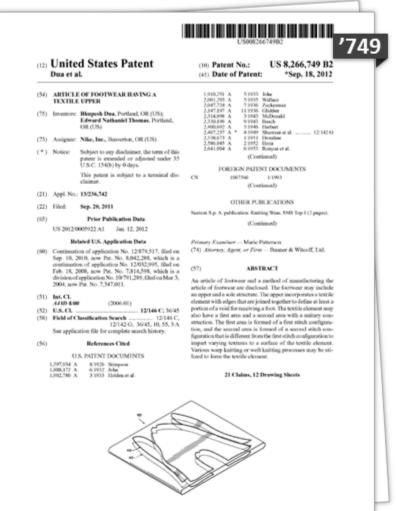


- 1. An upper for an article of footwear, the upper comprising:
  - a flat knit textile element having: (1) flat knit edges free of surrounding textile structure such that the flat knit edges are not surrounded by textile structure from which the textile element must be removed, and (2) a plurality of ribs integrally knitted into the flat knit textile element,
  - wherein one or more ribs extend longitudinally along one or more of a lateral side and a medial side of the upper, the one or more ribs extending from the forefoot region toward the heel region and terminating in one of the midfoot region or the heel region.

## Corresponding Regions From The Claims



These labels apply to a right-footed upper; otherwise, the lateral and medial labels would switch.



# (54) ARTICLE OF FOOTWEAR HAVING A TEXTILE UPPER



## (12) United States Patent Dua et al.

### (10) Patent No.: US 9,918,511 B2 (45) Date of Patent: \*Mar. 20, 2018

- (54) ARTICLE OF FOOTWEAR HAVING A TEXTILE UPPER
- (71) Applicant NIKE, Inc., Bewerton, OR (US)
  (72) Inventors: Bhopesh Das, Fordard, OR (US);
  Edward Nathaniel Thomas, Perland,
- (73) Assignor: NIKE, Inc., Beaverton, OR (US)
- (\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This potent is subject to a terminal disclaimer.

- (21) Appl. No.: 15/664,587
- (22) Filed: Adl. 31, 2017

#### (65) Prior Publication Data US 2017/0325535 A1 Nov. 16, 2017

## Related U.S. Application Data

- (90) Continuation of application No. 15/510,089, filed on L.L.P. May 31, 2017, which is a continuation of application (57)
- (51) Int. CL .448 Int (2006.01) .448 992 (2006.01) (Continued)

(Corrienced)

#### (58) Field of Classification Search CPC \_\_\_\_\_ A43B 1/94; A43B 23/90; A43B 23/9205;

A438 1/04; A438 23/00; A438 23/0205; A438 23/0265; A438 23/04; A438 3/06; A438 7/08; A438 7/085

Continued)

#### References Cited

U.S. PATENT DOCUMENTS

LH2 A 31998 Worklde (520 A 51994 Mathew (Centimed)

#### FOREIGN PATENT DOCUMENTS

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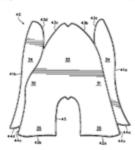
Primary Examiner - Marie Buys (74) Amount Amount on Firm - Shock Head

(74) Attorney, Agent, or First — Shook, Hardy & Bacon L.L.P.

#### (57) ABSTRACT

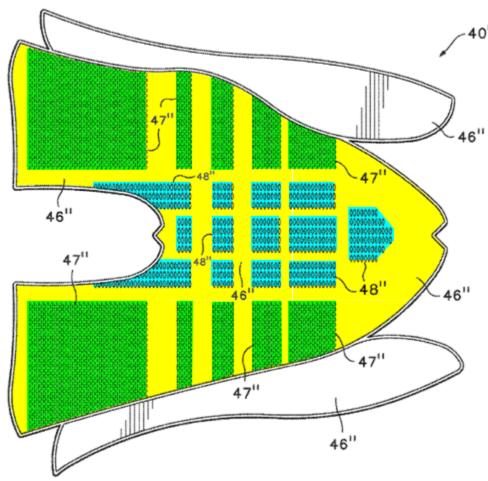
An article of footwer and a method of mountineturing the article of footwer are disclosed. The footwer may include an upper and a sole structure. The upper increposales a nextile element with edges that are joined together to define at least a period of a verifie receiving a foot. The sustile element may have a first area with a first property and a second area with a second property. Various suspect or well knitting processes, including the knitting, may be utilized to form the lexible element.

20 Claims, 12 Drawing Sheets



# 54) ARTICLE OF FOOTWEAR HAVING A TEXTILE UPPER

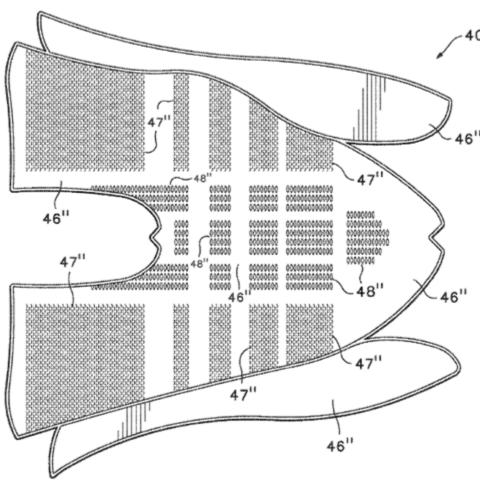
## Different Areas Of The Knitted & Ement Have Different Textures



"Textile element **40**" includes areas with three different textures. A first texture **46**" is generally smooth... a second texture **47**", which is generally rough in comparison with first texture **46**"...[and] a third texture **48**"."

Figure 11

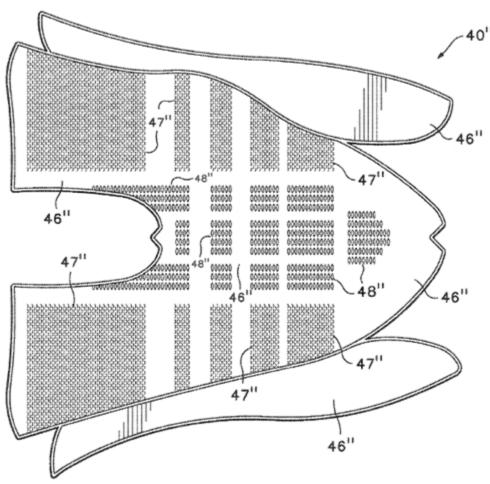
### Different Textures Are Forme By Varying The Type Of Stitch



"The different textures 46"-48" are formed by merely varying the type of stitch formed by the wide-tube circular knitting machine at each location of textile element 40"."

Figure 11

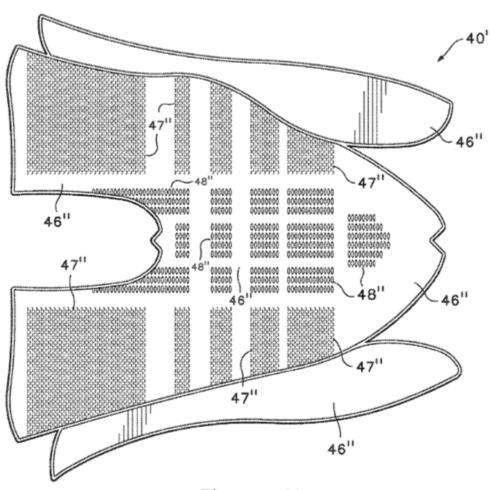
## The Texture Way Be "Aesthotic" Or" Way Be Structural"



"Textures 46"-48" may exhibit aesthetic differences, or the differences may be structural.... Accordingly, the various stitches ... may be utilized to vary the texture, physical properties, or aesthetics of footwear 10 ...."

Figure 11

### The Texture May Give Rise To Different Properties



"For example, the degree of stretch in areas with textures 46"-48" may be different, or the wear resistance of the areas may vary depending upon the stitch utilized. The air-permeability of textile element 40" may also vary in the different areas."

Figure 11

### Other Knitted Products Also Use Different Stitches/Texture

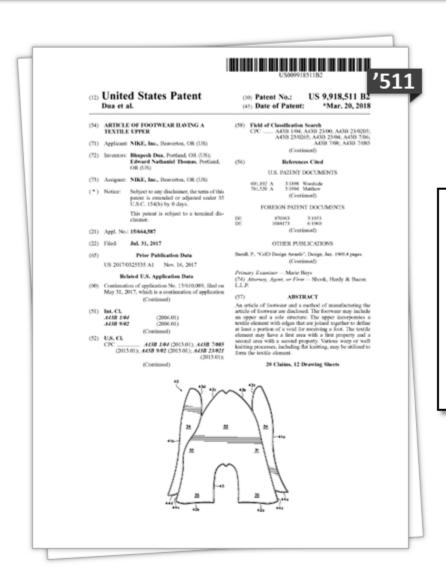


### GOLDTOE

EST. 1934

Gold Toe Socks: "Featuring a ...ribbed design to stay in place all day..."

### Changing The Yarn Type Way Also Vary The Properties



"[T]he type of yarn utilized in various areas of textile elements 40' and 40" may be changed to impart different properties .... For example, *elastane* may be utilized to impart stretch, wool may be utilized for insulation, and nylon may be utilized for durability."

### Other Knitted Products Also Use Different Yarns To Affect Properties

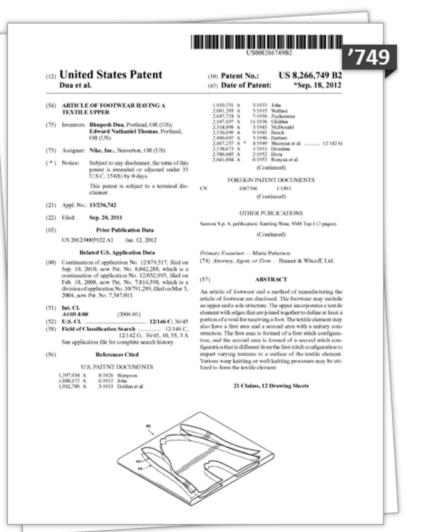


## GOLDTOE

EST. 1934

- "Spandex [(elastane)] for a Perfect Fit"
- "[W]hen you see our iconic, reinforced gold toe, you know these socks were built to last."

### '749 Patent Claims For Un 06/28/24 East Ures



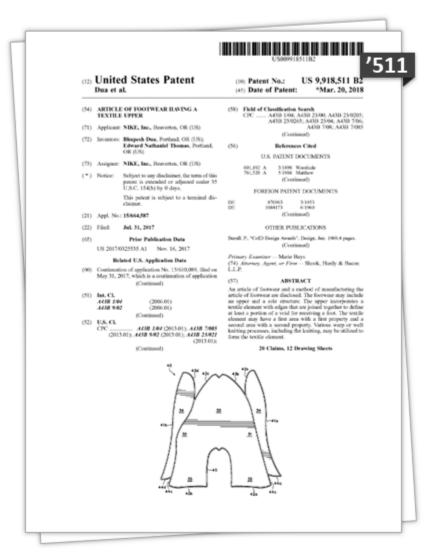
1. A method of manufacturing an article of footwear, the method comprising:

simultaneously knitting a textile element with a surrounding textile structure, the knitted textile element having at least one knitted texture that differs from a knitted texture in the surrounding knitted textile structure;

removing the knitted textile element from the surrounding knitted textile structure;

incorporating the knitted textile element into the article of footwear.

### '511 Patent Claims Focus On Two Adjacent Strips Having Different Properties



- 1. An upper for an article of footwear, the upper comprising:
  - a flat knit textile element comprising (1) flat knit edges free of surrounding textile structure such that the flat knit edges are not surrounded by textile structure from which the textile element must be removed, at least one flat knit edge being a curved flat knit edge, and (2) a first knit strip having a first property and a second knit strip having a second property that is different from the first property;
  - wherein the first knit strip and the second knit strip are positioned adjacent to each other along one or more of a lateral side and a medial side of the upper.



(12) United States Patent Meir et al.

**'562** (10) Patent No.: US 9,060,562 B2 (45) Date of Patent: Jun. 23, 2015

- (54) METHOD OF KNITTING A KNITTED COMPONENT WITH AN INTEGRAL KNIT
- (71) Applicant: Nike, Inc., Beaverton, OR (US)
- (72) Inventors: Adrain Meir, Portland, OR (US); Duniel A. Podhajny, Beaverion, OR. (US); Duren P. Tatler, Hillsboro, OR.
- (75) Assignor: NIKE, Inc., Burverton, OR (US)
- (\*) Notice: Subject to any disclaimer, the term of this putent is extended or adjusted under 35 U.S.C. 154(b) by 141 days.
- (21) Appl. No.: 13/781,581
- (22) Filed: Feb. 28, 2013
- Prior Publication Data
- US 2013/0239625 A1 Sep. 19, 2013

### Related U.S. Application Data

- (63) Communication-in-part of application No. 13/400.511, filed on Feb. 20, 2012, now Pat. No. 8,448,474.
- (51) Int. CL A438 LW

(2006.01) (Continued)

(52) U.S. CL CPC ... A438 L0V (2013.01); D0VB L/24 (2013.01); .4438 23/0245 (2013.01); .4438 23/0265 (2013.01); .4438 23/26 (2013.01); .D048 1/22 (2013.01); D84B 15/56 (2013.01); D16B 2493/92477 (2013:01); D198/2493/932 (2013.01): DAMP 2507.043 (2013.01): 4438 284265 (2013.01); DAVB 7/28 (2013.01);

(58) Field of Classification Search

D04B 1/24; D04B 2401/043; D04B 2409/032; A43B 1/04; A43B 23/0245; A43B USPC ...... 66/169 R, 170, 171, 177; 2/3 R, 3 A, 84,

See application file for complete search history.

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OTHER PUBLICATIONS

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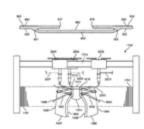
Primary Examinor - Dunny Worrell

(74) Attorney, Agent, or Firm - Plumses Law Group, LLC

ABSTRACT

Methods of manufacturing a knitted component for an article of footwear that include knitting an upper with an integral knit tongue during a knitting process on a knitting machine are described. The knitting process forms the integral knit tongue of unitary knit construction with the upper so that the integral knit tongue extends through a throat area of the knitted component. The integral knit tongue can include raised elements formed of unitary knit construction with the tongue.

### 23 Claims, 28 Drawing Shorts



### METHOD OF KNITTING A KNITTED COMPONENT WITH AN INTEGRAL KNIT **TONGUE**

### Case 2:23-cv-09346-AB-PVC Document 63-1 Filed 06/28/24 Page 46 of 59 Page ID #:2100 Fall Ent

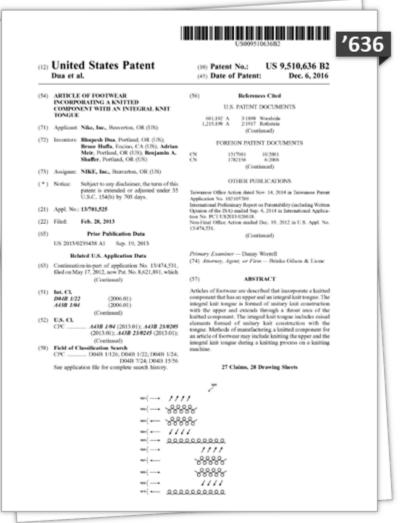
'562 (12) United States Patent (45) Date of Patent: Jun. 23, 2015 (54) METHOD OF KNITTING A KNITTED (58) Field of Classification Search CPC \_\_\_\_\_\_ D04B 1/24; D04B 2401/043; D04B 2403/032; A40B 1/04; A43B 23/0245; A40B COMPONENT WITH AN INTEGRAL KNIT USPC ...... 66/169 R, 170, 171, 177; 2/3 R, 3 A, 84, (71) Applicant: Nike, Inc., Berverton, OR (US) (72) Inventors: Adrain Meir, Portland, OR (US); Duniel A. Podhajny, Beaverton, OR. (US): Duren P. Tatler, Hillsboro, OR. U.S. PATENT DOCUMENTS (75) Assignor: NIKE, Inc., Burverton, OR (US) (\*) Notice: Subject to any disclaimer, the term of this (Continued) patent is extended or adjusted under 35 U.S.C. 154(b) by 141 days. POREIGN PATENT DOCUMENTS (21) Appl. No.: 13/781,551 Feb. 28, 2013 (Corriemed) Prior Publication Data OTHER PUBLICATIONS US 2013/0239625 A1 Sep. 19, 2013 Declaration of Dr. Edward C. Frederick from the US Patent and Trademark Office Inner Partes Review of US Patent No. 7,347,011 Related U.S. Application Data (T76 pp). (63) Communica-in-part of application No. 13/400.511. filed on Fob. 20, 2012, now Pat. No. 8,448,474. Primary Examiner - Dunny Worrell (S1) Int. CL (74) Attorney, Agent, or Firm - Pleases Law Group, LLC (2006.00) (Continued) Methods of manufacturing a knitted component for an article (52) U.S. CL of footwear that include knitting an upper with an integral knit CPC ... A43B L0V (2013.01): D0VB L/24 (2013.01): tongue during a knitting process on a knitting machine are A488 284245 (2013.01); A488 284245 described. The knitting process forms the integral knit tongue (2013.01): A438 23/26 (2013.01): D048 1/22 of unitary knit construction with the upper so that the integral (2013.01): D84B 15/56 (2013.01); DV6B knit tongue extends through a throat area of the knitted com-2493/02477 (2013:01); D198/2403/032 ponent. The integral knit tongue can include raised elements (2013.01): DAMP 2597/043 (2013.01): 4438 formed of unitary knit construction with the tongue. 284265 (2013.01); DAVB 7/28 (2013.01); 23 Claims, 28 Drawing Shorts

1. A method of manufacturing a knitted component for an article of footwear, the method comprising:

knitting a portion of the knitted component defining an upper with a knitting machine, the upper including a portion of at least one of an exterior surface of the knitted component and an opposite interior surface of the knitted component; and

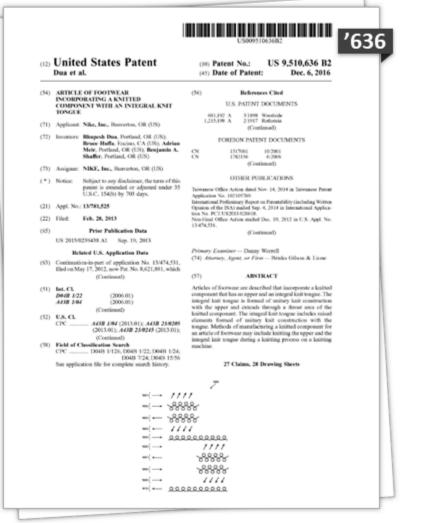
knitting an integral knit tongue that is of unitary knit construction with the upper with the knitting machine, the integral knit tongue extending through a throat area of the knitted component; and

wherein the integral knit tongue is joined by knitting with the knitting machine to: (1) a forward portion of the throat area, and (2) at least along a portion of both of a lateral side and a medial side of the throat area of the knitted component extending through a portion of a length of the throat area in a longitudinal direction from the forward portion to an ankle opening of the upper.



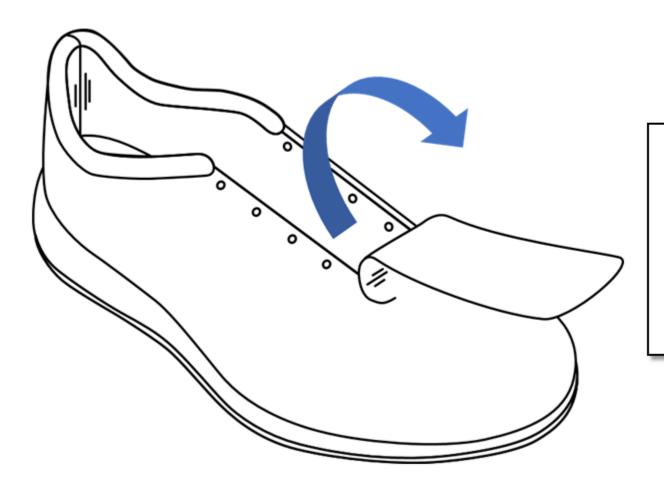
# (54) ARTICLE OF FOOTWEAR INCORPORATING A KNITTED COMPONENT WITH AN INTEGRAL KNIT TONGUE

### Case 2:23-cv-09346-AB-PVC Document 63-1 Filed 06/28/24 Page 48 of 59 Page ID



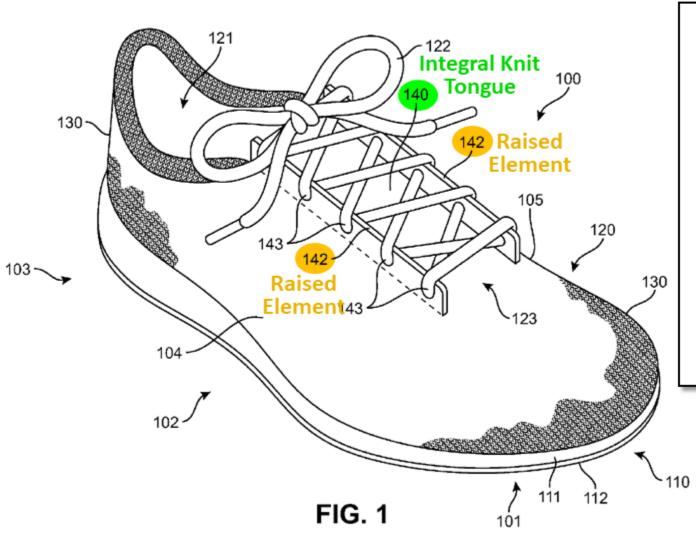
- 1. An article of footwear having an upper and a sole structure secured to the upper, the article of footwear incorporating a knitted component comprising:
  - a portion of the knitted component defining the upper, the upper including a portion of at least one of an exterior surface of the knitted component and an opposite interior surface of the knitted component, the interior surface defining a void for receiving a foot; and
  - an integral knit tongue formed with the upper and extending through a throat area of the knitted component; and
  - at least one raised element extending a height above the exterior surface of the knitted component,
  - wherein the integral knit tongue is joined to a forward portion of the throat area and at least along a portion of a lateral side and a medial side of the throat area of the knitted component extending from the forward portion to an ankle opening of the upper.

# Case 2:23-cv-09346-AB-PVG Document 63-1—Filed 06/28/24? Page 49 of 59 Page ID What IS#2103 Ongue?



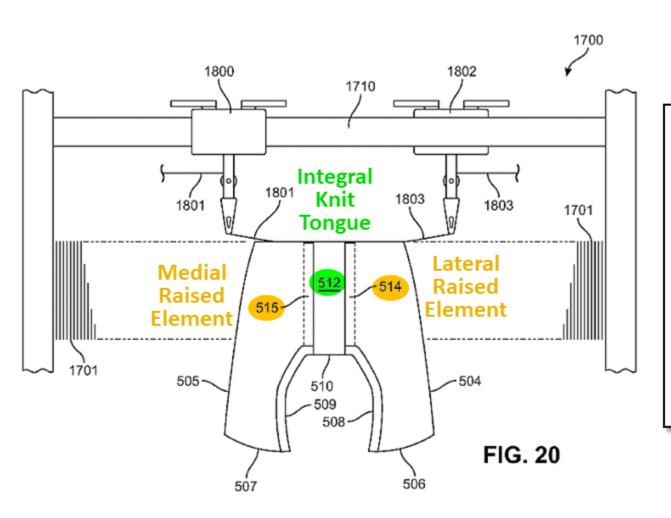
"[In a conventional article of footwear], the upper may include a tongue that extends under the lacing system to enhance adjustability of the footwear..."

# Exemplar Interpropries Interpression Filed 06/28/24 Page 50 of 59 Page ID



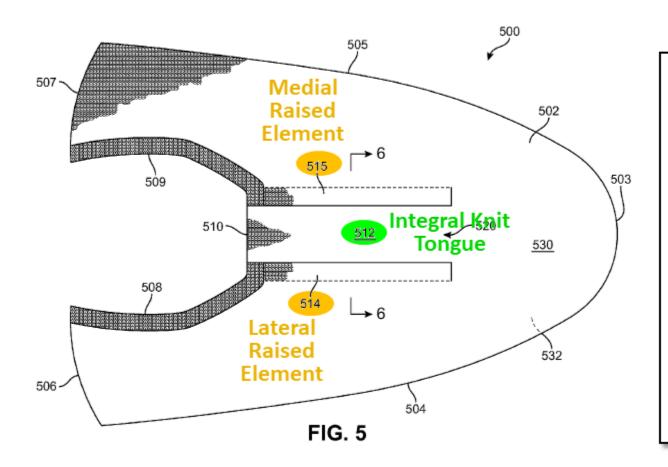
"In an exemplary embodiment, an integral knit tongue 140 is formed of unitary knit construction with upper 120 and extends through throat area 123 of upper 120 between lateral side 104 and medial side 105. A lace 122 extends through various lace apertures 143 in raised elements 142 of integral knit tongue 140 ...."

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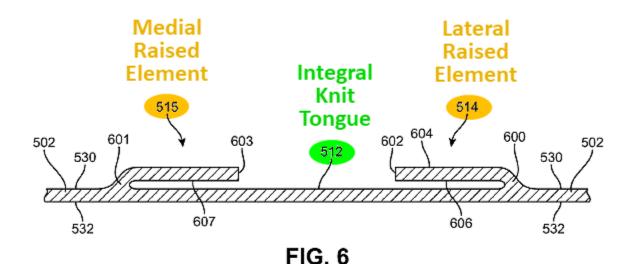
"FIG. 20 illustrates knitting machine **1700** completing the courses associated with knitting integral knit tongue **512**, lateral raised element **514**, medial raised element **515**, and a portion of the rest of first knitted component **500** forming upper **502**."

### Upper Having Integral Knit #Longue With Raised Elements



"In some embodiments, integral knit tongue **512** may include raised elements disposed on opposite sides of throat area **520** and extending along the length of integral knit tongue **512** .... As shown in FIG. 5, integral knit tongue **512** includes a lateral raised element **514** and a medial raised element **515**."

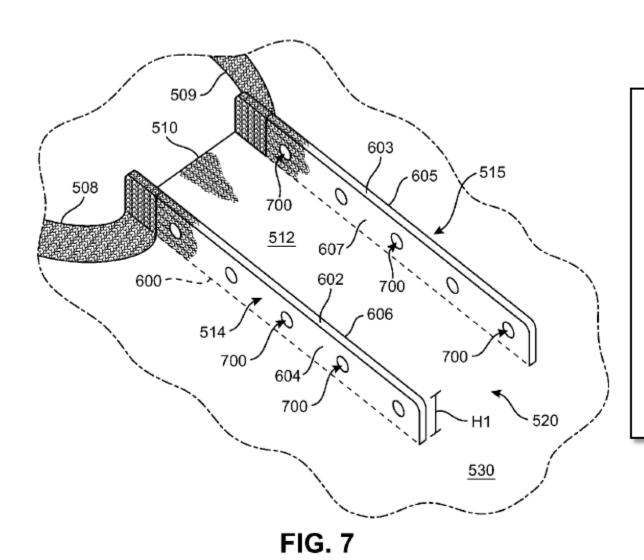
### Cross-Section Showing integral Knit Tongue With Raised Elements



"Referring now to FIG. 6, a cross-sectional view of integral knit tongue

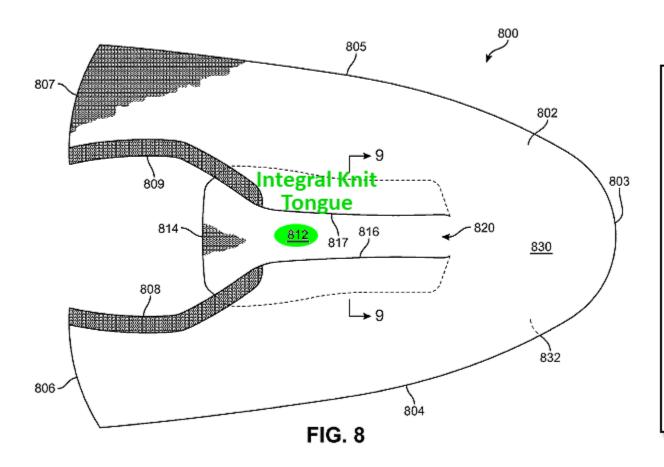
512 is illustrated. ... [A]s shown in FIG. 6, lateral raised element 514 and medial raised element 515 are shown in a *flat* configuration such that first inward facing side 606 and/or second inward facing side 607 is oriented towards first surface 530."

### Perspective View Showing Integral Knit Tongue With Raised Elements



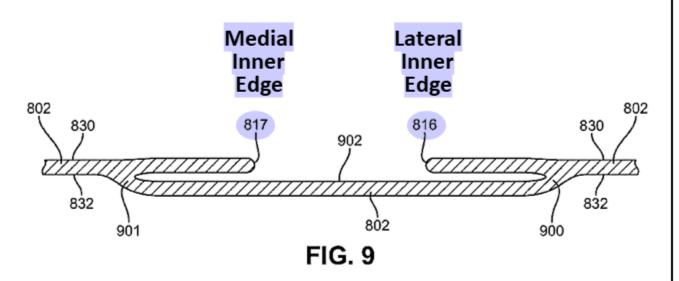
"In various embodiments, however, raised elements, including lateral raised element **514** and medial raised element **515**, may be positioned in an *upright* configuration. Referring now to FIG. 7, lateral raised element **514** and medial raised element **515** are shown in an *upright* configuration "

### Upper Having Integral Knit Tongue Without Raised Elements



"In an exemplary embodiment, integral tongue **812** of second knitted component **800** does not include raised elements. ... [S] econd knitted component **800** includes a portion of upper **802** that extends over integral knit tongue **812** to form a lateral inner edge **816** and a medial inner edge **817**."

### Cross-Section Showing Integral Khit Tongue Without Raised Elements



"Referring now to FIG. 9, a cross-sectional view of integral knit tongue **812** is illustrated. ... In this embodiment, first edge **900** and second edge **902** of integral knit tongue **812** are joined with second surface **832** of upper **802** such that integral knit tongue **812** extends below lateral inner edge **816** and medial inner edge **817** of upper **802**."

## The 484 Patent (No Clasim Construction Sought)



Dua et al.

(21) Appl. No.: 14/087,169

(51) Int. Cl.

(52) U.S. CL

D048 1/22

4438 L94

A49C 1/01

A438 23402

A438 3400

(22) Filed: New, 22, 2013

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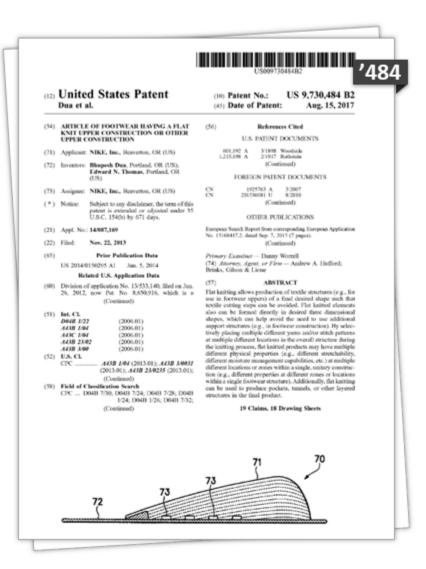
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UPPER CONSTRUCTION

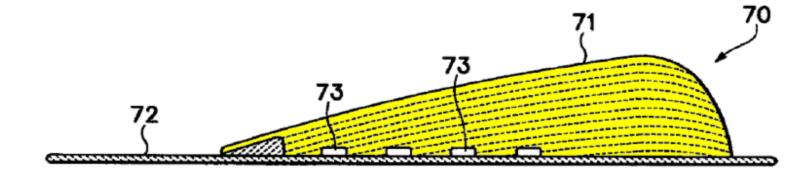
ARTICLE OF FOOTWEAR HAVING A FLAT KNIT UPPER CONSTRUCTION OR OTHER UPPER CONSTRUCTION

### '484 Patent Discloses Using Flat Knitting To Form 3D Structures



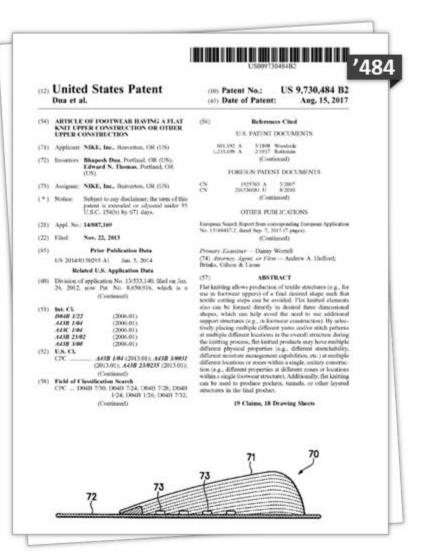
"An advantage of flat knitting is that generally three-dimensional structures may be formed."

"[C]entral portion **71** has a domed shape.... That is, the flat knitting process forms central portion **71** to have a three-dimensional structure that is shaped to extend over the foot."



'484 Patent at 12:51-52, 10:35-38.

### '484 Patent Only Claims Flats Knit 3D Domed Structure



- 1. An article of footwear comprising an upper including a flat-knitted element formed from at least one yarn mechanically manipulated in a flat-knitting process, the flat-knitted element including a first layer having:
  - a central portion having a domed, three-dimensional structure configured for extending over the top of a foot;
  - a first side portion being formed of unitary construction with the central portion and extending from a first side of the central portion; and
  - a second side portion being formed of unitary construction with the central portion and extending from a second side opposite the first side of the central portion, the domed, three-dimensional structure shaped to extend above the plane of the first side portion and the second side portion when the flat-knitted element is in a flattened configuration.